

Eaton 262747

Eaton Moeller series xPole - PL7 MCB. PL7, 1-pole+N, tripping characteristic: C, rated current In: 10 A, rated switching capacity IEC/EN 60898-1: 10 kA

General specifications

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| PRODUCT NAME | Eaton Moeller series xPole - PL7 MCB |
| CATALOG NUMBER | 262747 |
| EAN | 4015082627478 |
| PRODUCT LENGTH/DEPTH | 71 mm |
| PRODUCT HEIGHT | 82 mm |
| PRODUCT WIDTH | 26.4 mm |
| PRODUCT WEIGHT | 0.22 kg |
| COMPLIANCES | RoHS conform |
| MODEL CODE | PL7-C10/1N |

Delivery program

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| APPLICATION | <ul style="list-style-type: none"> • Switchgear for residential and commercial applications • xPole - Switchgear for residential and commercial applications |
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| NUMBER OF POLES | Single-pole + N |
| NUMBER OF POLES (TOTAL) | 2 |
| NUMBER OF POLES (PROTECTED) | 1 |
| TRIPPING CHARACTERISTIC | C |
| RELEASE CHARACTERISTIC | C |
| AMPERAGE RATING | 10 A |

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| TYPE | <ul style="list-style-type: none"> • Miniature circuit breaker • PL7 |
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Technical Data - Mechanical

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| WIDTH IN NUMBER OF MODULAR SPACINGS | 1.5 |
| BUILT-IN DEPTH | 70.5 mm |
| DEGREE OF PROTECTION | IP20 |
| CONNECTABLE CONDUCTOR CROSS SECTION (SOLID-CORE) - MIN | 1 mm ² |
| CONNECTABLE CONDUCTOR CROSS SECTION (SOLID-CORE) - MAX | 25 mm ² |
| CONNECTABLE CONDUCTOR CROSS SECTION (MULTI-WIRED) - MIN | 1 mm ² |
| CONNECTABLE CONDUCTOR CROSS SECTION (MULTI-WIRED) - MAX | 25 mm ² |

Technical Data - Electrical

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| VOLTAGE TYPE | AC |
| RATED OPERATIONAL VOLTAGE (UE) - MAX | 230 V |
| RATED INSULATION VOLTAGE (UI) | 440 V |
| RATED IMPULSE WITHSTAND VOLTAGE (UIMP) | 4 kV |
| FREQUENCY RATING - MIN | 50 Hz |
| FREQUENCY RATING - MAX | 60 Hz |
| RATED SWITCHING CAPACITY (IEC/EN 60898-1) | 10 kA |
| OVERVOLTAGE CATEGORY | III |
| POLLUTION DEGREE | 2 |

Design verification as per IEC/EN 61439 - technical data

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| RATED OPERATIONAL CURRENT FOR SPECIFIED HEAT DISSIPATION (IN) | 10 A |
| HEAT DISSIPATION PER POLE, CURRENT-DEPENDENT | 0 W |
| EQUIPMENT HEAT DISSIPATION, CURRENT-DEPENDENT | 1.7 W |
| STATIC HEAT DISSIPATION, NON-CURRENT-DEPENDENT | 0 W |
| HEAT DISSIPATION CAPACITY | 0 W |
| AMBIENT OPERATING TEMPERATURE - MIN | -25 °C |
| AMBIENT OPERATING TEMPERATURE - MAX | 75 °C |

Design verification as per IEC/EN 61439

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| 10.2.2 CORROSION RESISTANCE | Meets the product standard's requirements. |
| 10.2.3.1 VERIFICATION OF THERMAL STABILITY OF ENCLOSURES | Meets the product standard's requirements. |
| 10.2.3.2 VERIFICATION OF RESISTANCE OF INSULATING MATERIALS TO NORMAL HEAT | Meets the product standard's requirements. |
| 10.2.3.3 RESIST. OF INSUL. MAT. TO ABNORMAL HEAT/FIRE BY INTERNAL ELECT. EFFECTS | Meets the product standard's requirements. |
| 10.2.4 RESISTANCE TO ULTRA-VIOLET (UV) RADIATION | Meets the product standard's requirements. |
| 10.2.5 LIFTING | Does not apply, since the entire switchgear needs to be evaluated. |
| 10.2.6 MECHANICAL IMPACT | Does not apply, since the entire switchgear needs to be evaluated. |
| 10.2.7 INSCRIPTIONS | Meets the product standard's requirements. |
| 10.3 DEGREE OF PROTECTION OF ASSEMBLIES | Does not apply, since the entire switchgear needs to be evaluated. |
| 10.4 CLEARANCES AND CREEPAGE DISTANCES | Meets the product standard's requirements. |
| 10.5 PROTECTION AGAINST ELECTRIC SHOCK | Does not apply, since the entire switchgear needs to be evaluated. |
| 10.6 INCORPORATION OF SWITCHING DEVICES AND COMPONENTS | Does not apply, since the entire switchgear needs to be evaluated. |
| 10.7 INTERNAL ELECTRICAL CIRCUITS AND CONNECTIONS | Is the panel builder's responsibility. |
| 10.8 CONNECTIONS FOR EXTERNAL CONDUCTORS | Is the panel builder's responsibility. |
| 10.9.2 POWER-FREQUENCY ELECTRIC STRENGTH | Is the panel builder's responsibility. |
| 10.9.3 IMPULSE WITHSTAND VOLTAGE | Is the panel builder's responsibility. |
| 10.9.4 TESTING OF ENCLOSURES MADE OF INSULATING MATERIAL | Is the panel builder's responsibility. |
| 10.10 TEMPERATURE RISE | The panel builder is responsible for the |

Additional information

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| CURRENT LIMITING CLASS | 3 |
| FEATURES | Concurrently switching N-neutral Additional equipment possible |
| SPECIAL FEATURES | Ambient temperature hint: a 1 °C increase results in a 0.5% linear reduction of current carrying capacity |
| USED WITH | PL7 Miniature circuit breaker |

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| | temperature rise calculation. Eaton will provide heat dissipation data for the devices. |
| 10.11 SHORT-CIRCUIT RATING | Is the panel builder's responsibility. The specifications for the switchgear must be observed. |
| 10.12 ELECTROMAGNETIC COMPATIBILITY | Is the panel builder's responsibility. The specifications for the switchgear must be observed. |
| 10.13 MECHANICAL FUNCTION | The device meets the requirements, provided the information in the instruction leaflet (IL) is observed. |

Resurse

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| CATALOAGE | eaton-xpole-pl7-mcb-catalog-ca019068en-en-us.pdf |
| CHARACTERISTIC CURVE | eaton-xpole-mmc4-6-mcb-characteristic-curve-002.jpg |
| DESENE | eaton-xpole-mmc4-6-mcb-dimensions.jpg eaton-xpole-mmc4-6-mcb-3d-drawing-007.jpg |
| INSTRUCȚIUNI DE INSTALARE | eaton-rccb-rcho-g9-il019140zu.pdf |
| SCHEME ELECTRICE | eaton-xpole-pls6-m-mcb-wiring-diagram-002.jpg |

DENUMIREA PROIECTULUI:

NUMĂRUL PROIECTULUI:

PREGĂTIT DE:

DATA:



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